

Dialog DataStar[options](#)[logout](#)[feedback](#)[help](#)UNITED STATES
PATENT AND
TRADEMARK OFFICE
An Agency of the United
States Department of Commerce**sira**
Search and Information
Resources Administration[databases](#)[easy
search](#)**Advanced Search:****Inspec - 1969 to date (INZZ)**[limit](#)

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	pneumatic AND simulation AND piston AND cylinder	unrestricted	29	show titles
2	INZZ	pneumatic NEAR simulation SAME area NEAR cylinder AND piston NEAR (stroke OR velocity)	unrestricted	0	-
3	INZZ	pneumatic NEAR simulation SAME area NEAR cylinder AND piston AND stroke	unrestricted	0	-

[hide](#) | [delete all search steps...](#) | [delete individual search steps...](#)Enter your search term(s): [Search tips](#) ☐ Thesaurus mapping whole document Information added since: or: none
(YYYYMMDD)[search](#)

Select special search terms from the following list(s):

- ☒ Publication year
- ☒ Inspec thesaurus - browse headings A-G
- ☒ Inspec thesaurus - browse headings H-Q
- ☒ Inspec thesaurus - browse headings R-Z
- ☒ Inspec thesaurus - enter a term
- ☒ Classification codes A: Physics, 0-1
- ☒ Classification codes A: Physics, 2-3
- ☒ Classification codes A: Physics, 4-5
- ☒ Classification codes A: Physics, 6
- ☒ Classification codes A: Physics, 7
- ☒ Classification codes A: Physics, 8

Dialog DataStar[options](#)[logout](#)[feedback](#)[help](#)[databases](#)[search
page](#)

Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the bottom of the page. To view one particular document click the link above the title to display immediately.

[next titles](#)

Documents 1 to 20 of 29 from your search "**pneumatic AND simulation AND piston AND cylinder**" in all the available information:

Number of titles selected from other pages: 0

- ☐ **Select All**
- ☐ 1 [display full document](#)
2005. (INZZ) Energy efficiency analysis and optimal control of servo **pneumatic** cylinders.
- ☐ 2 [display full document](#)
2005. (INZZ) Unsteady fluid flow in smart material actuated fluid pumps.
- ☐ 3 [display full document](#)
2004. (INZZ) Multidimensional modelling of flow through **piston-controlled** ports using a multi-block, moving mesh algorithm.
- ☐ 4 [display full document](#)
2003. (INZZ) Non-conventional processing of noisy signal in the adaptive control of hydraulic differential servo cylinders.
- ☐ 5 [display full document](#)
2003. (INZZ) Fault diagnosis of water hydraulic actuators under some simulated faults.
- ☐ 6 [display full document](#)
2003. (INZZ) Cushioning of **pneumatic** cylinders. **Design-simulation-rules** for adjustment.
- ☐ 7 [display full document](#)
2002. (INZZ) Analysis, measuring and modeling of lower artificial limb motion.
- ☐ 8 [display full document](#)
2002. (INZZ) On improving energy utilization in hydraulic booms.
- ☐ 9 [display full document](#)
2002. (INZZ) Multi-pole modeling and **simulation** of a four-way valve controlled fluid power system in NUT environment.
- ☐ 10 [display full document](#)
2001. (INZZ) A robust nonlinear controller design for a **pneumatic** actuator.
- ☐ 11 [display full document](#)
1999. (INZZ) Dynamics of a **pneumatic** system: modelling, **simulation** and experiments.
- ☐ 12 [display full document](#)

1999. (INZZ) A pressure-based, velocity independent, friction model for asymmetric hydraulic cylinders.

☐ 13 [display full document](#)

1998. (INZZ) Design and construction of an oscillometric blood pressure simulator.

☐ 14 [display full document](#)

1997. (INZZ) Nonlinear control of a rodless **pneumatic** servomotor, or sliding modes versus Coulomb friction.

☐ 15 [display full document](#)

1996. (INZZ) Dynamics of a **pneumatic** system: modelling, **simulation** and experiments.

☐ 16 [display full document](#)

1996. (INZZ) An optimal control for **pneumatic cylinder** with disturbance observer.

☐ 17 [display full document](#)

1996. (INZZ) Modeling and test of an electropneumatic servovalve controlled long rodless actuator.

☐ 18 [display full document](#)

1996. (INZZ) Translational motion control of hydrostatic transmission with load **cylinder**.

☐ 19 [display full document](#)

1995. (INZZ) Robust control of **pneumatic** actuators based on dynamic impedance matching.

☐ 20 [display full document](#)

1992. (INZZ) A fuzzy control scheme for hydraulic **cylinder** servo with flow compensation.

Selection	Display Format	Output Format	ERA SM Electronic Redistribution & Archiving	Action
<input checked="" type="radio"/> from this page <input type="radio"/> from all pages	<input checked="" type="radio"/> Full <input type="radio"/> Free <input type="radio"/> Short <input type="radio"/> Medium <input type="radio"/> Custom Help with Formats	<input checked="" type="radio"/> HTML <input type="radio"/> Tagged (for tables) <input type="radio"/> PDF <input type="radio"/> RTF	Copies you will redistribute: <input type="text"/> Employees who will access archived record (s): <input type="text"/> Help with ERA	<input type="button" value="display"/> <input type="button" value="save"/> <input type="button" value="print preview"/>
				<input type="button" value="order"/>
Sort your entire search result by <input type="text" value="Publication year"/> <input type="button" value="v"/> <input type="text" value="Ascending"/> <input type="button" value="v"/>				<input type="button" value="sort"/>

Top - News & FAQs - Dialog

© 2006 Dialog



SCIENCE@DIRECT

Register or Login:

user name

Password:

Go

[Athens/Institution Login](#)
[Home](#) [Search](#) [Journals](#) [Books](#) [Abstract Databases](#) [My Profile](#) [Alerts](#)
[? Help](#)Quick Search: within [All Full-text Sources](#) [Go](#) [? Search Tips](#)**No results were found**

Click the search tips link on the search form below for additional information.

[All Sources](#) [Journals](#) [Books](#) [Reference Works](#) [Abstract Databases](#) [Sciрус](#)

Enter terms using Boolean connectors (ex: cat OR feline AND nutrition)

Term(s): (pneumatic near simulation) and (area near cylinder) and piston and stroke

Sources: ☒ Journals ☒ Book Series ☒ Handbooks ☒ Reference Works ☐ Abstract Databases

select one or more:

Subject: [- All Sciences -](#)
[Agricultural and Biological Sciences](#)
[Arts and Humanities](#)
[Biochemistry, Genetics and Molecular Biology](#)

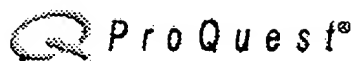
Hold down the Ctrl key (or ⌘ key) to select multiple entries.

Dates: ☒ 1996 to: Present ☐ All Years
[Search](#)[Clear](#)[Recall Search](#)[? Search Tips](#)**Search History - [Turn On](#)**

Search for articles from our full-text collection and abstracts database using this search form. Click the **Help** button for step-by-step instructions on conducting a search using this form. Consult the Search Tips for information about the use of connectors, wildcards, and other search options which can improve the precision of your search.

[Home](#) [Search](#) [Journals](#) [Books](#) [Abstract Databases](#) [My Profile](#) [Alerts](#)
[? Help](#)[Contact Us](#) | [Terms & Conditions](#) | [Privacy Policy](#)

Copyright © 2006 Elsevier B.V. All rights reserved. ScienceDirect® is a registered trademark of Elsevier B.V.

[Return to the USPTO NPL Page](#) | [Help](#)

Basic

Advanced

Topics

Publications

[My Research](#)
0 marked items

Interface language:

English

Databases selected: Multiple databases...

Searching for *pneumatic and simulation and area and cylinder and psiton* did not find any documents. Try the following:

Revise your search below using the following tips:

- Check your spelling.
- Reduce the number of terms included in your search.
- Broaden your search by selecting other [databases](#), removing limits, or searching "Citations and Document Text" (if available).
- Use "AND" to connect two words that don't need to be searched as a phrase.
- Connect similar terms with the "OR" operator (e.g. military OR pentagon). See [Search Tips](#) for more hints.

Basic Search

Tools: [Search Tips](#) [Browse Topics](#) [1 Recent Searches](#)

Search

Clear

Database: [Select multiple databases](#)Date range: Limit results to: ☐ Full text documents only☐ Scholarly journals, including peer-reviewed [About](#)[More Search Options](#)Copyright © 2006 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)[Text-only interface](#)